Ref. No. SS0306
032003

ONKYO SERVICE MANUAL

SPEAKER SYSTEM
MODEL SKS-HT150
SKW-150 / SKF-150F / SKC-150C / SKM-150M

Black models

DD	120V AC, 60Hz

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ ON THE SCHEMATIC DIAGRAM AND IN THE PARTS LIST ARE CRITICAL FOR RISK OF FIRE AND ELECTRIC SHOCK. REPLACE THESE COMPONENTS WITH ONKYO PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL.
MAKE LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

ONKYO®
IMAGINATIVE SIGHT & SOUND

SPECIFICATION

Type	Bass-reflex with built-in power amplifier
Frequency response	30 Hz-150 Hz
Output power	150 W Dynamic
Input sensitivity	220 mV
Input impedance	15 kΩ
Woofer	8-inch cone type
Power supply	AC 120 V, 60 Hz
Power consumption	75 W
Dimensions (W×H×D)	9-1/4" × 20-3/8" × 16-3/16" / 235 × 518 × 411 mm
Weight	27.8 lbs. / 12.6 kg

Specifications and appearance may subject to change for improvement without prior notice.

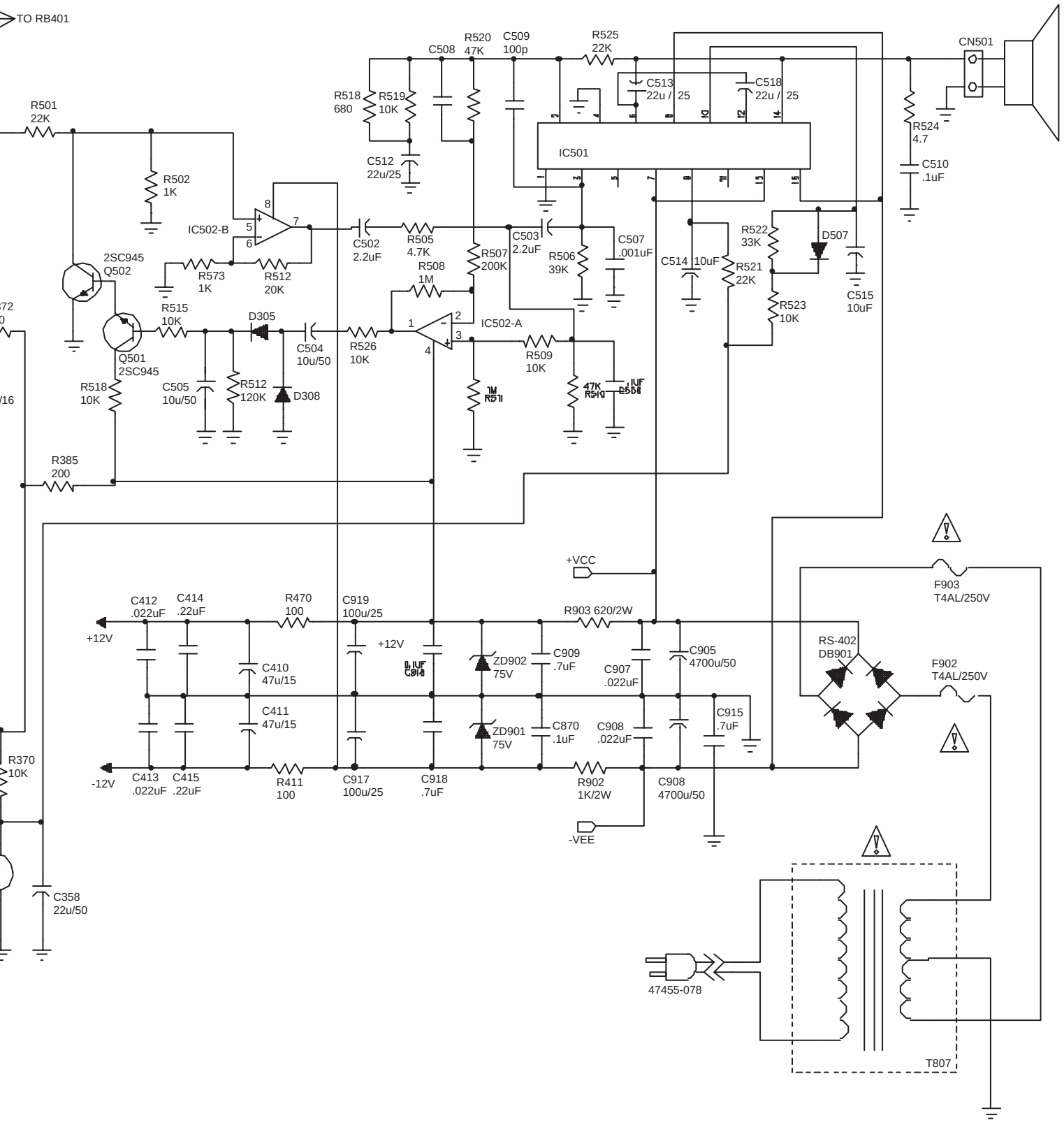
Model	**SKF-150F**
Type	2 way Bass-reflex front speaker
Impedance	8 Ω
Maximum input power	100 W
Output sound pressure level	83 dB/W/m
Frequency response	55 Hz-35,000 Hz
Woofer	5-1/4-inch cone type
Tweeter	1-inch balanced dome type
Dimensions (W×H×D)	6-3/16" × 15-1/4" × 9-1/16" / 157 × 387 × 230 mm
Weight	7.5 lbs. / 3.4 kg
Others	Magnetic shielding

Model	**SKC-150C**
Type	2 way Bass-reflex center speaker
Impedance	8 Ω
Maximum input power	100 W
Output sound pressure level	85 dB/W/m
Frequency response	65 Hz-35,000 Hz
Woofer	4-inch cone type × 2
Tweeter	1-inch balanced dome type
Dimensions (W×H×D)	15-1/4" × 6-3/16" × 7-13/16" / 387 × 157 × 199 mm
Weight	7.7 lbs. / 3.5 kg
Others	Magnetic shielding

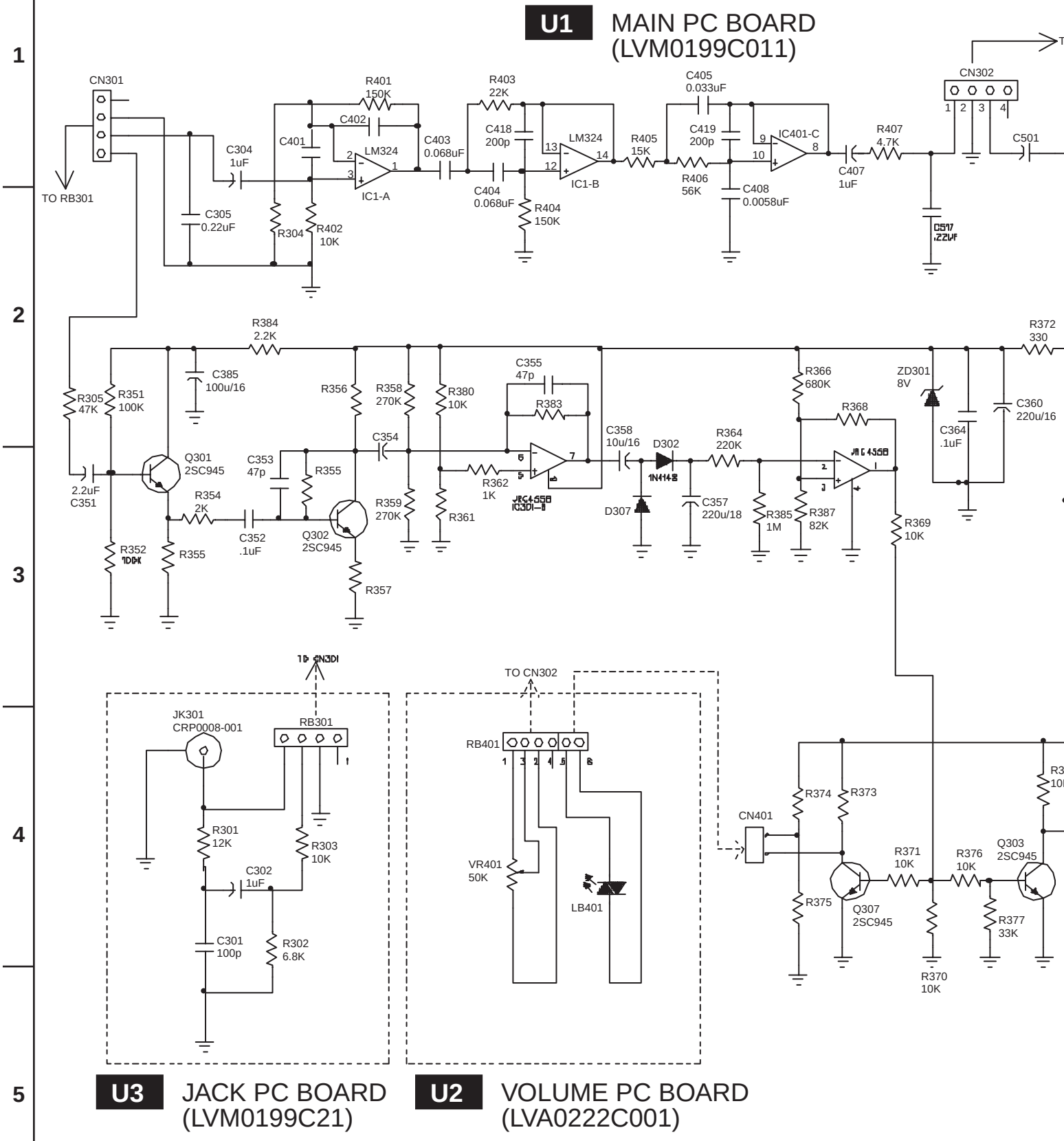
Model	**SKM-150S**
Type	2 way Bass-reflex surround speaker
Impedance	8 Ω
Maximum input power	100 W
Output sound pressure level	82 dB/W/m
Frequency response	65 Hz-35,000 Hz
Woofer	4-inch cone type
Tweeter	1-inch balanced dome type
Dimensions (W×H×D)	6-15/16" × 9-1/4" × 4-15/16" / 175 × 235 × 125 mm
Weight	3.5 lbs. / 1.6 kg

Specifications and appearance may subject to change for improvement without prior notice.

E F G H

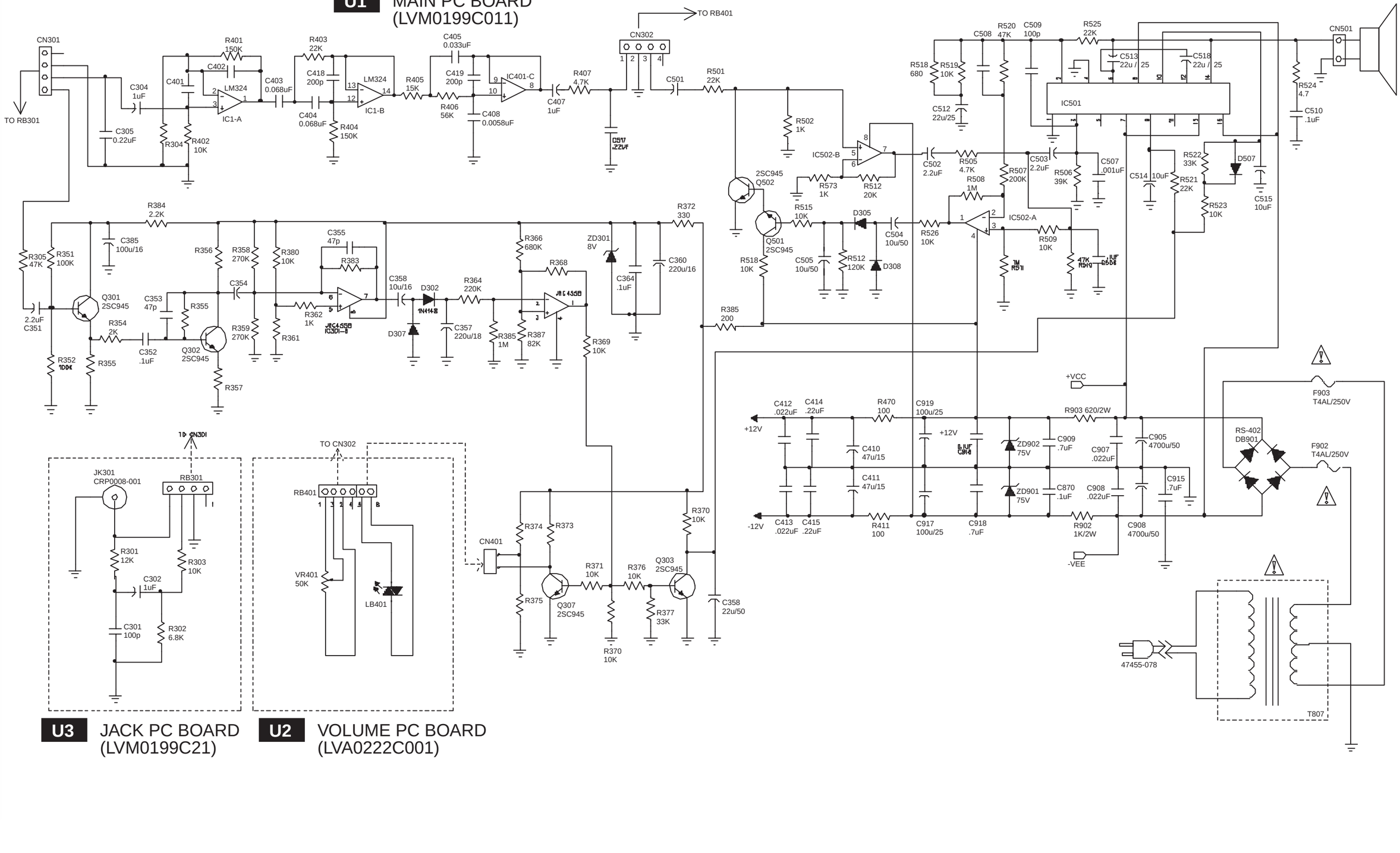

TO RB401
R501 22K
R502 1K
IC502-B
2SC945 Q502
R573 1K
R512 20K
R515 10K
Q501 2SC945
R518 10K
D305
C504 10u/50
C505 10u/50
R512 120K
D308
R526 10K
IC502-A
R508 1M
R507 200K
C502 2.2uF
R505 4.7K
C503 2.2uF
R506 39K
C507 .001uF
R509 10K
R385 200
R370 10K
C358 22u/50
R518 680
R519 10K
C512 22u/25
C508
R520 47K
C509 100p
R525 22K
IC501
C513 22u / 25
C518 22u / 25
CN501
R524 4.7
C510 .1uF
C514 10uF
R521 22K
R522 33K
D507
R523 10K
C515 10uF
+VCC
C412 .022uF
C414 .22uF
R470 100
C919 100u/25
R903 620/2W
+12V
C410 47u/15
C411 47u/15
ZD902 75V
ZD901 75V
C909 .7uF
C870 .1uF
C907 .022uF
C908 .022uF
C905 4700u/50
C915 .7uF
C908 4700u/50
R902 1K/2W
-VEE
-12V
C413 .022uF
C415 .22uF
R411 100
C917 100u/25
C918 .7uF
RS-402 DB901
F903 T4AL/250V
F902 T4AL/250V
47455-078
T807

SCHEMATIC DIAGRAM



SCHEMATIC DIAGRAM

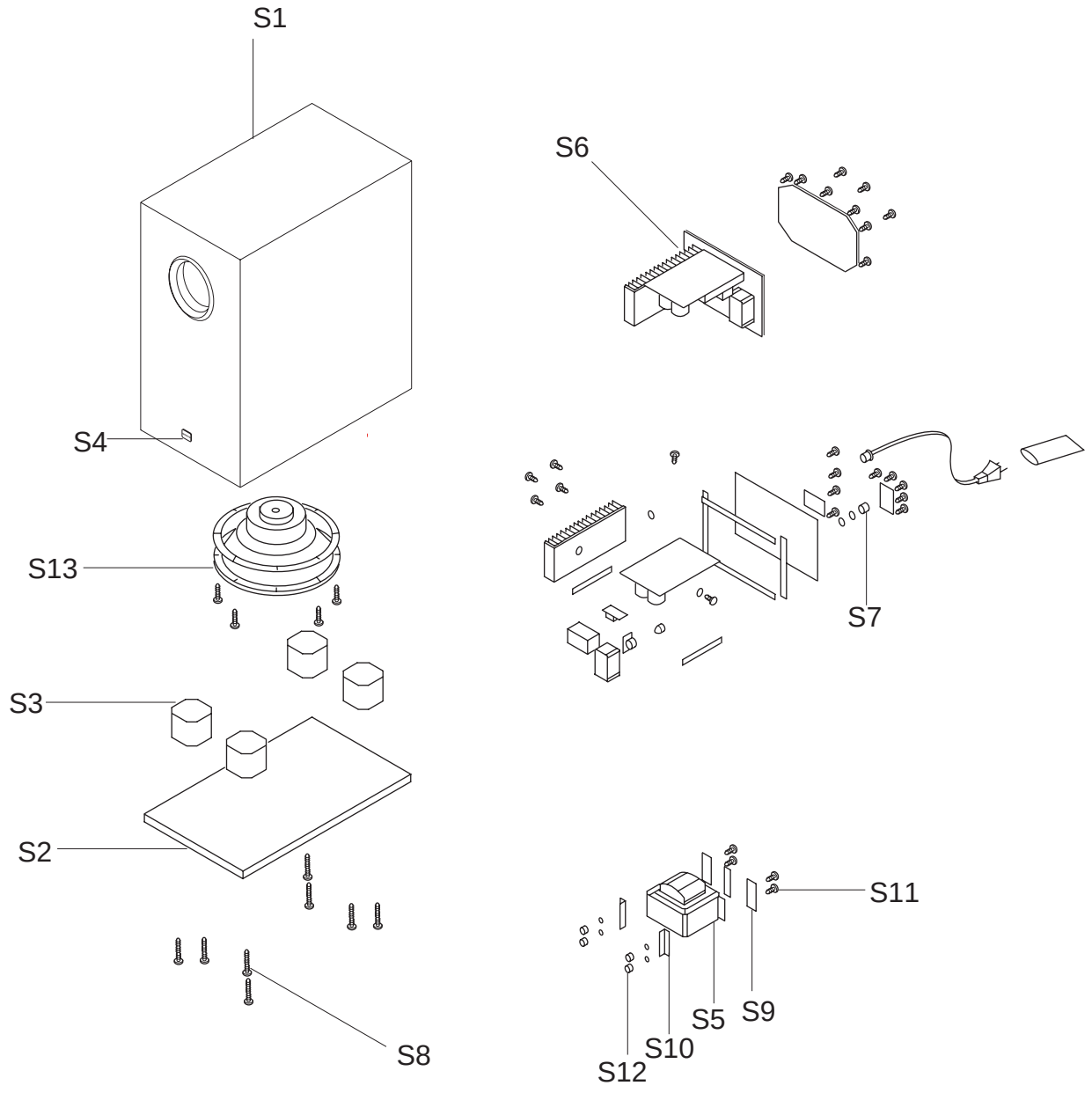
U1 MAIN PC BOARD (LVM0199C011)



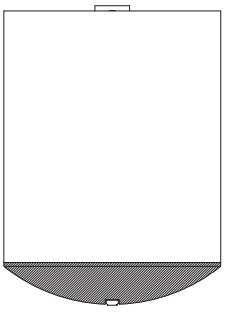
U3 JACK PC BOARD (LVM0199C21)

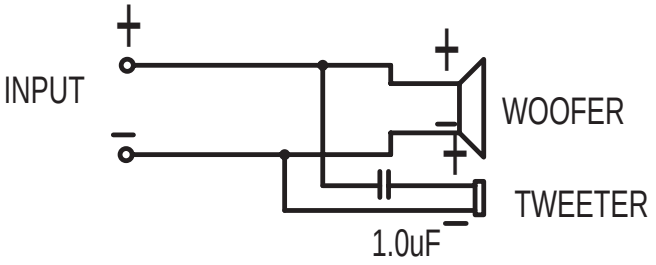
U2 VOLUME PC BOARD (LVA0222C001)

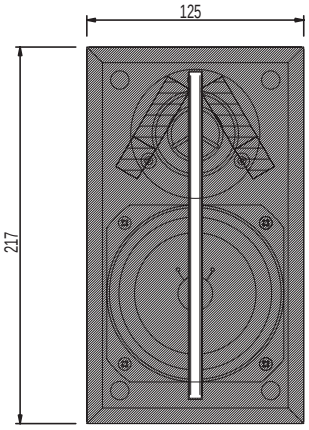
EXPLODED VIEW
SKW-150

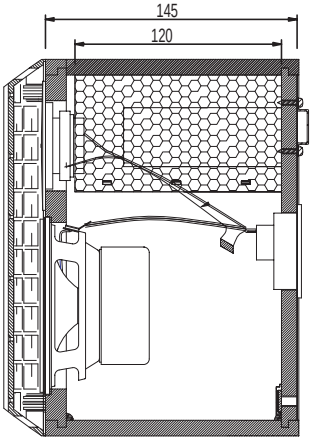


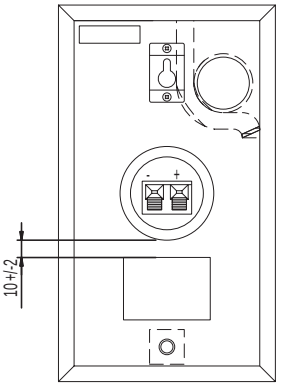
CONSTITUTION VIEW



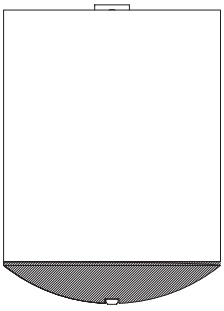


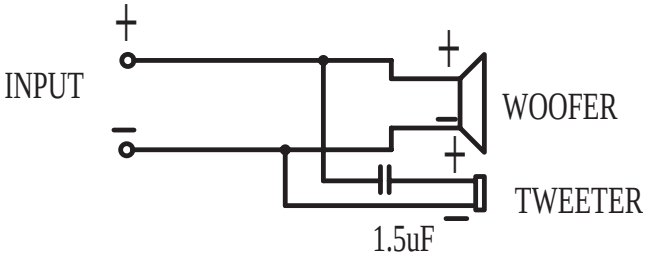


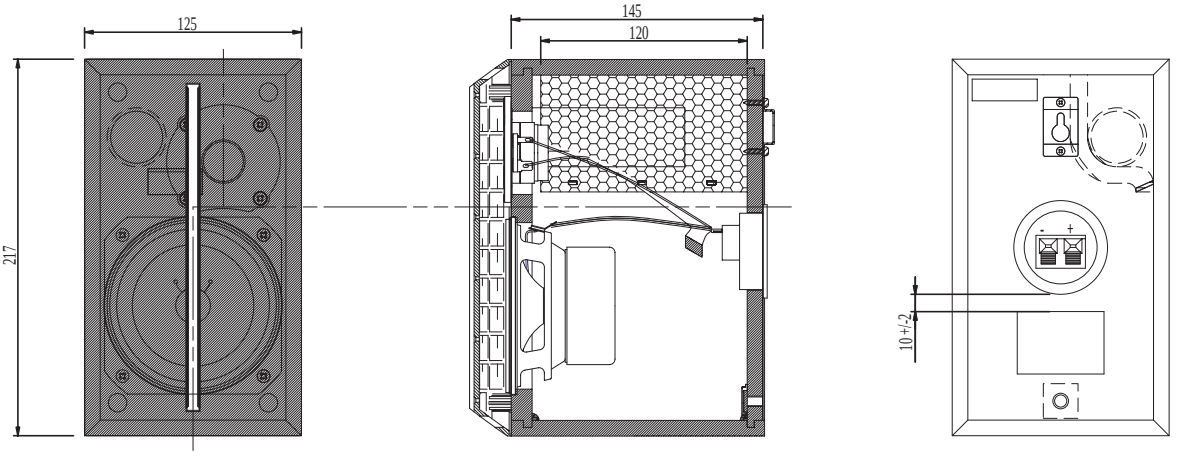




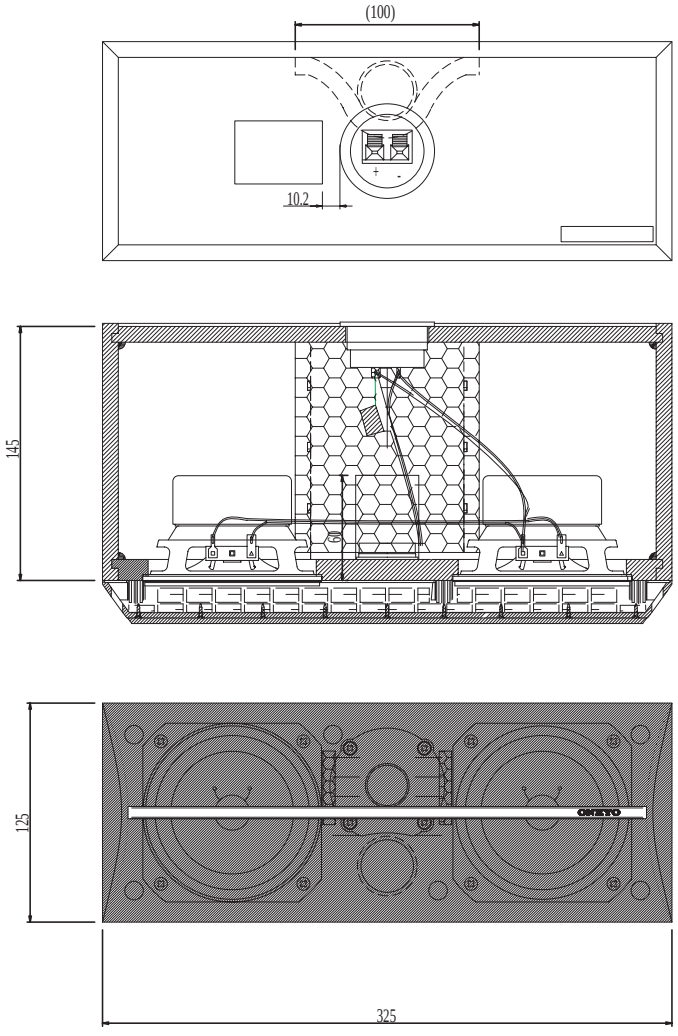
CONSTITUTION VIEW

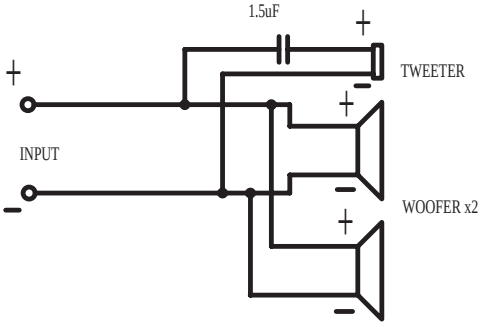


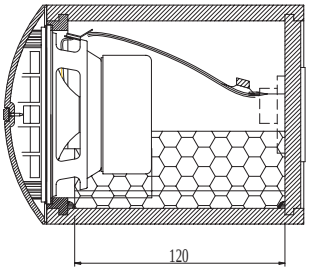




CONSTITUTION VIEW





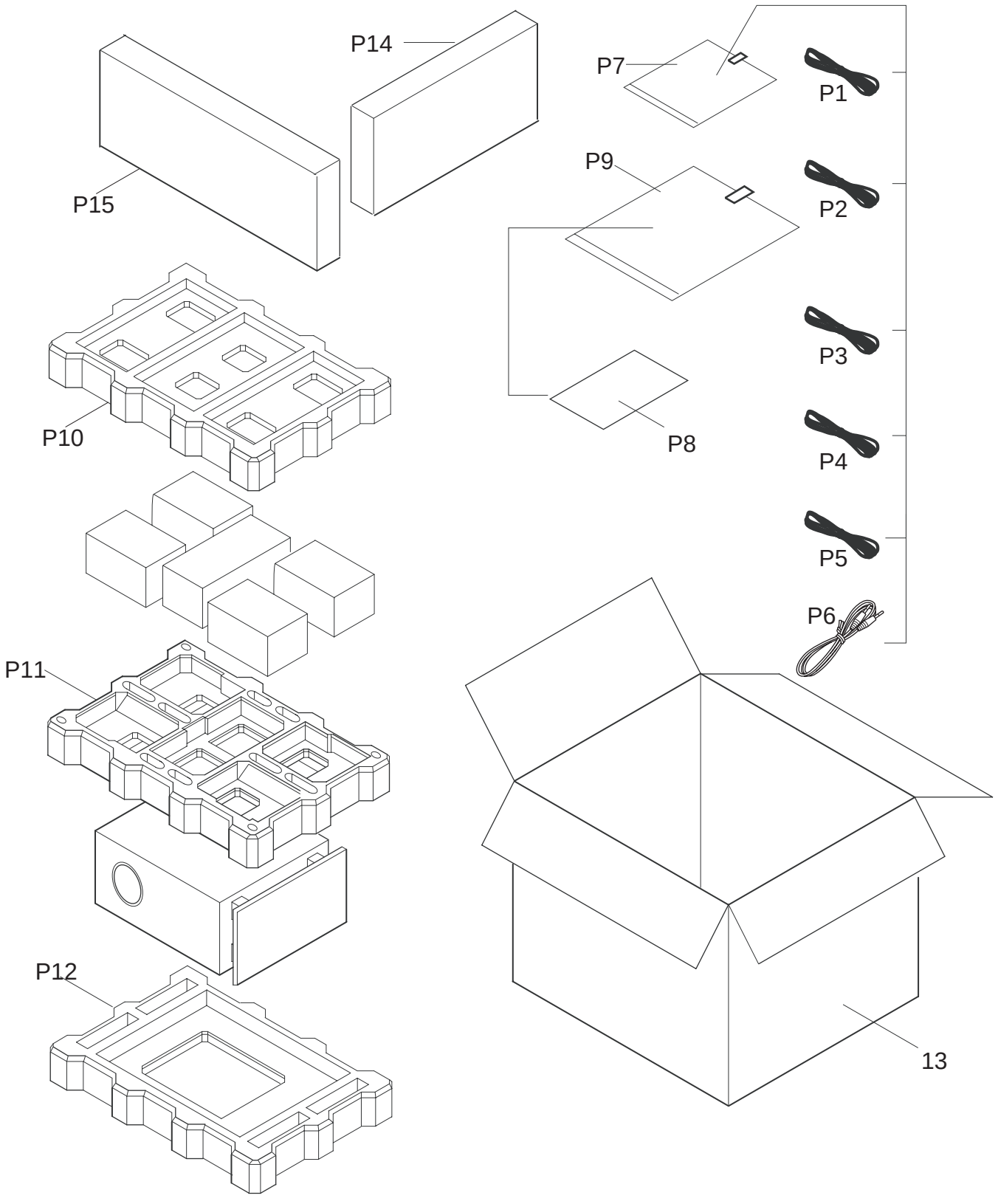


SKS-HT150 Parts list

Ref. No.	Description	Specification		Part No.	Color	
					B	S
Packing view						
P1	Speaker cord	AWG #22 L=4.5m	White / Brack	VWS330122-4500	○	○
P2	Speaker cord	AWG #22 L=4.5m	Red / Brack	VWS331022-4500	○	○
P3	Speaker cord	AWG #22 L=3.0m	Green / Brack	VWS330922-3000	○	○
P4	Speaker cord	AWG #22 L=9.0m	Blue / Brack	VWS330522-9000	○	○
P5	Speaker cord	AWG #22 L=9.0m	Grey / Brack	VWS330722-9000	○	○
P6	Pin cable	3m MONO Black		VCR000001-0042	○	○
P10	Polyfoam	Top		ITF8302780001	○	○
P11	Polyfoam	Center		ITF8302790001	○	○
P12	Polyfoam	Bottom		ITF8302800001	○	○
P13	Carton		HT-R660(B)	ICC802096-BM10	○	-
			HT-R660(S)	ICC802105-BM10	-	○
P14	POLYFOAM BLOCK A	17x513x256mm		ICF830000-0253	○	○
P15	POLYFOAM BLOCK B	43x525x256mm		ICF830000-0252	○	○
	H.M. BAG	POLY BAG L1000xW720xT0.025	SKW-150	IVA8032010133	○	○
	H.M. BAG	POLY BAG L660xW435xT0.025	SKF-150F	IVA8032010088	○	○
	H.M. BAG	POLY BAG L640xW380xT0.025	SKC-150C	IVA8032010050	○	○
	H.M. BAG	POLY BAG L410xW350xT0.025	SKM-150S	IVA8032010046	○	○
Satellite speaker						
	Bacl label	L	SKF-150FL	YLB810002FL20	○	○
	Bacl label	R	SKF-150FR	YLB810002FR20	○	○
	Bacl label	C	SKC-150C	YLB810002C020	○	○
	Bacl label	L	SKM-150SL	YLB810002SL20	○	○
	Bacl label	R	SKM-150SR	YLB810002SR20	○	○
	METAL CRAMP	HANGER PLATE	SKM-150S	DCA5000020001	○	○
Sub woofer						
S1	CABINET AS	with DUCT and ACOUSTIC FELT		ANK802S96-BM20	○	-
				ANK802S96-BM10	-	○
S2	STAND BOARD			EVT81003515W2	○	○
S3	PLASTIC FOOT			BPE8000040001	○	○
S4	Logo Bagde	FRONT PLATE		BPL8001240001	○	○
S5	PWR TRANS			TT11120010120	○	○
S6	AMPLIFIER	with LED CORD ASSY and AC CORD		ABNSKW150-CV01	○	○
S7	KNOB	Include in AMPLIFIER		-	○	○
S8	SCREW	4x75 for PLASTIC FOOT		NST8550514750	○	○
S9	RUBBER PAD	for PWR TRANS		ICH0800270001	○	○
S10	L-BRACKET	for PWR TRANS		GSE0001100003	○	○
S11	SCREW	4x25 for PWR TRANS		HSD0431033250	○	○
S12	NUT	M4 for PWR TRANS		HNT8116801300	○	○
S13	WOOFER UNIT			FSB82AC800401	○	○

	A	B	C	D
1				
2				
3				
4				
5				

PACKING VIEW



ONKYO CORPORATION
Sales & Product Planning Div. : 2-1, Nisshin-cho, Neyagawa-shi, OSAKA 572-8540, JAPAN
Tel: 072-831-8111 Fax: 072-833-5222

ONKYO U.S.A. CORPORATION
18 Park Way, Upper Saddle River, N.J. 07458, U.S.A.
Tel: 201-785-2600 Fax: 201-785-2650 E-mail: onkyo@onkyousa.com

ONKYO
HOMEPAGE
http://www.onkyo.co.jp/